Special Issue on Applied Computational Intelligence

Concurrency and Computation: Practice and Experience (CCPE)

Editor-in-Chief: Geoffrey C. Fox and David W. Walker, Wiley

Computational Intelligence techniques are traditionally adopted in several different application domains such as industrial, medical, decision making, gaming to name but a few. Despite this growing diffusion, there are still many possible areas where computational intelligence application is partial or could be extended and improved, due to the actual limitations in terms of computational power or strict requirements in terms of assurance of the results.

This special issue aims to investigate the impact of the adoption of advanced and innovative Computational Intelligence techniques in emerging application fields like IoT and Big Data. This edition of the special issue is focused primarily on industrial and health applications with special emphasis to real time systems grounded on Big Data ecosystems.

The special issue will bring together researchers on different disciplines from academia and industry with a common objective: go beyond the frontiers of today applications of Computational Intelligence techniques.

Topics for the workshop include, but are not limited to:

- Imaging for Industrial applications
- Computational Intelligence approaches in Biomedical Signal Processing
- Computational Intelligence approaches in Consumer Electronics
- Real-time Multimedia Signal Processing
- Intelligent User Interfaces
- Virtual-augmented reality for Healthcare
- Big Data-based Computational Intelligence for Real-time processing
- Computational Intelligence in IoT
- Processing in digital image acquisition pipeline
- Learning systems for signal and information processing and evidential reasoning for recognition
- Soft computing approaches for embedded multimedia systems
- Expert system and Decision Support Systems for health

ACI2019 Special Issue is by invitation to selected papers presented at the International Workshop on Applied Computational Intelligence (ACI2019) held on November 26-29, 2019 in Sorrento, Italy in conjunction with SITIS2019 conference. It is expected that submissions will address the topic of the workshop and contain at least 50% new content regarding any previously published paper. Authors are encouraged to submit high-quality, original work that has neither appeared in, nor is under consideration by, other journals.
The guest editors of the special issue are
• Gwanggil Jeon, Associate Professor, Incheon National University, Korea, gjeon@inu.ac.kr
• Abdellah Chehri, Assistant Professor, Université du Québec à Chicoutimi, Canada, Abdellah_Chehri@uqac.ca

Submissions must follow these guidelines:
Submit at Manuscript central as ACI2019 special issue. Submissions should be prepared for publication according to the journal submission guidelines. Only Latex will be accepted (Wiley template). There is a limit of 15 papers plus an editorial in the special issue.

Important dates:
• Invitation for selected papers: 1 April 2020
• Special issue submission deadline: 1 June 2020
• Reviews due: 1 August 2020
• Final version of the paper: 1 October 2020